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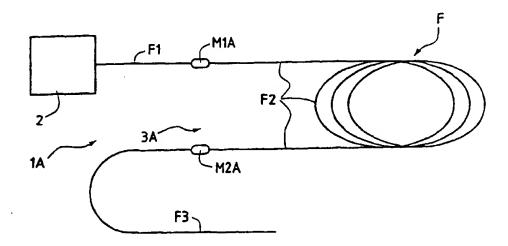
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(54) Title: ELECTROMAGNETIC PULSE TRAIN GENERATION FOR TESTING OPTICAL FIBRES

454) Titre: GENERATION D'UN TRAIN D'IMPULSIONS ELECTROMAGNETIQUES POUR TEST DE FIBRES OPTIQUES

(57) Abstract

The invention testing and method, device emitting electromagnetic pulses generator comprising а (2) and an optical fibre (F) capable of transmitting electromagnetic pulse generated by said generator (2). invention is characterise in that said device (1A) further comprises least an optical cavity (3A) which is arranged on the path of an incident electromagnetic pulse by transmitted the optical fibre comprising an input



provided with a first partially reflecting mirror (M1A) and an output provided with a second partially reflecting mirror (M2A), said mirrors being arranged so as to generate at the optical cavity (3A) output, from one single incident electromagnetic pulse, a train of radiated electromagnetic pulses, whereof the geometric extent characteristics are variable.